

**Contractor's Progress Report
(Technical and Financial)
CDRL A001**

For: Safe Surgery Trainer

Prime Contract: N00014-14-C-0066

For the Period June 1, 2015 to June 30, 2015

Submitted: 15 July 2015

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Medical Modeling - Safe Surgery Trainer

This Monthly Progress Report is provided in accordance with the contract CDRL.

1) Contract Period of Performance: 12 March, 2014 to 30 September, 2015

2) Cost (Estimated financials may differ from actual invoice)

a) Total Amount Funded to date:	\$910,256.00
b) Estimated Reporting Period Expenditures	\$72,062.03
c) Estimated Cumulative Expenditure	\$769,033.68
d) Estimated Remaining Funds To Completion	\$144,222.32

3) Progress and Accomplishments During Report Period

- a) Program Management – Ongoing communication and project management with project team and sub-contractors. Ongoing outreach with medical centers (see below). Ongoing project management according to Alion's CMMI Level 3 processes.
 - i) Prepared, organized, and conducted studies at Langley Air Force Hospital (June 24-25) with additional participation from Fort Eustis.
 - ii) Worked to secure involvement of Portsmouth Naval Hospital – This has become a MAJOR risk (see below).
 - iii) Ongoing interactions with medical representatives that were interested in or attended the SST StoryJam. StoryJam Participating organizations included: Portsmouth Naval Hospital, Langley AFB Hospital, Fort Eustis McDonald Healthcare, Eastern Virginia Medical School, Maryview Hospital, Mary Immaculate Hospital, and the Children's Hospital of the King's Daughters.
- b) Prototype Development – Minor adjustments to missions, scenarios, user interface, fun-facts mini-game, and 4th scenario in preparation for the studies.
- c) Instructional Design and Healthcare Research – Basic monitoring and testing of scenario materials to ensure gameplay, scenarios, and conversations match terminal learning objective: Facilitate Psychological Safety.
- d) Research Studies – Prepared, organized, and conducted studies at Langley AF Hospital, June 24-25. Managed IRB. Worked with Portsmouth regarding upcoming research.

4) Work in Progress / Plans for Next Month

- a) Program Management - Continue identifying communication channels, managing contracts, and coordinating with team members and outside participants. Continue involving team members and stakeholders in testing, development, and research.

Unclassified

- b) Prototype Development – Minor revisions to the software in preparation for the additional studies as part of Iteration 3.
- c) Instructional Design and Healthcare Research – Continue finalizing scenarios, conversations, and learning objectives.
- d) Research Studies –Coordinate with participating organizations regarding IRB and 2nd phase of studies, including: Langley, Portsmouth Naval, and the VA. Produce first report. Conduct 2nd study.

5) Milestones / Deliverables

Name/Description	Date (Target or Actual)	Notes/Status
Project Management Plan	DONE: May 28, 2014	COMPLETE
Reports	15 th of each month	This document
Presentation Materials	As appropriate	ONR Kickoff Brief
Software Requirements Document	Target: Nov 30, 2014	
Scenario Design Document	Target: Sept 30, 2014 & Aug 31, 2015	
Prototype - Executable	Target: December, 2014, May, 2015, and Aug, 2015	Iter 1 – COMPLETE 12/1/14 Iter 2 – COMPLETE 4/30/15 Iter 3 – Target July 31, 2015
Prototype - Source	Target: Sept 30, 2015	
Research Data	Target: Sept 30, 2015	
Final Report	Target: Sept 30, 2015	
Milestone – Initiation	DONE: May 31, 2014	COMPLETE
Milestone – Iteration 1	DONE: Dec 1, 2014	COMPLETE
Milestone – Iteration 2	DONE: Apr 30, 2015	COMPLETE
Milestone – Iteration 3	Target: July 31, 2015	
Milestone – Conclusion	Target: Sept 30, 2015	
Milestone – ONR Kickoff	DONE: Apr 22, 2014	COMPLETE
Milestone – StoryJam	DONE: May 25, 2014	COMPLETE

6) Risks/Issues/Concerns/Problems

- a) **PORTSMOUTH NAVAL HOSPITAL – Discussions with Portsmouth are continuing. Commander Cunningham and Commander Hawkins have coordinated to get approval to use UCF’s IRB. Now we are attempting to coordinate logistics. We are also in coordination with the VA and the Children’s Hospital of the King’s Daughters to determine a backup plan. This is a MAJOR issue.**
- b) Still need a transition agreement or memorandum with Portsmouth Naval Hospital. Working with new XO, Capt Smith. Will also begin work to brief/update the new CO, Capt Vai. (Note – see October report for more detailed analysis of previous risk)

7) Travel Accomplished

Unclassified

- a) I/ITSEC, Dec 1 – Dec 4, Orlando Florida. Included labor hours for onsite SST effort such as conducting the field study. No actual travel budget.
- b) IMSH, Jan 12-14, New Orleans, Louisiana. Includes labor hours for onsite SST demonstrations and meetings. No actual travel budget.
- c) Langley AF Study, Hampton, VA. UCF researchers flying to Virginia to conduct studies.

8) Planned Travel

- a) Travel to Norfolk (or other) by UCF research partners, in August for 2nd study.

9) Related Activities

- a) Submitted presentation for I/ITSEC 2015 tutorial, “There and Back Again – A Journey of Games, Communication, and Innovation.” Abstract was accepted. Submitted power point presentation on June 12.
- b) Presented talk at the International Modelling and Simulation in Healthcare (IMSH) 2015 conference, New Orleans, Louisiana, Jan 10-14, 2015. “Safer Surgery with Games – The Moment of Truth”
- c) Presented at the Design of Learning Games Community Workshop, at I/ITSEC, Wednesday, Dec 3rd.
- d) Conducted Field Study from the Alion booth at I/ITSEC 2014 – only such study of the conference!
- e) Presented SST concepts in a brief at the M&S Southwest Modeling and Simulation Conference in Scottsdale, Arizona, Mar 12, 2014.